

SEQUENCE LISTING

<110> Ewa M. Rogalska  
Renata Bilewicz  
Denis D. E. M. Tagu  
Alain G. G. Walcarius  
Johannes Wemer  
Karin Scholtmeijer  
Rick Rink  
Harm J. Hektor

<120> Method of Binding a Compound to a Sensor Surface

<130> 2183-6294uS

<140> To be assigned  
<141> 2004-01-23

<150> PCT/NL02/00411  
<151> 2002-06-21

<150> EP 01202802.3  
<151> 2001-07-23

<160> 5

<170> PatentIn Ver. 2.1

<210> 1  
<211> 131  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> recombinantly produced polypeptide

<220>  
<221> SIGNAL  
<222> (1)..(28)

<400> 1  
Met Leu Lys Lys Ala Met Val Ala Ala Ala Ala Ala Ser Val Ile  
1 5 10 15

Gly Met Ser Ala Ala Ala Pro Gln Ala Leu Ala Ile Gly Asp Asp  
20 25 30

Asn Gly Pro Ala Val Ala Asn Gly Asn Gly Ala Glu Ser Ala Phe Gly  
35 40 45

Asn Ser Ala Thr Lys Gly Asp Met Ser Pro Gln Leu Ser Leu Val Glu

50

55

60

Gly Thr Leu Asn Lys Pro Cys Leu Gly Val Glu Asp Val Asn Val Ala  
65 70 75 80

Val Ile Asn Leu Val Pro Ile Gln Asp Ile Asn Val Leu Ala Asp Asp  
85 90 95

Leu Asn Gln Gln Cys Ala Asp Asn Ser Thr Gln Ala Lys Arg Asp Gly  
100 105 110

Ala Leu Ser His Val Leu Glu Asp Leu Ser Val Leu Ser Ala Asn Gly  
115 120 125

Glu Gly Arg  
130

<210> 2

<211> 133

<212> PRT

<213> Streptomyces coelicolor

<220>

<221> SIGNAL

<222> (1)..(28)

<400> 2

Met Ile Lys Lys Val Val Ala Tyr Ala Ala Ile Ala Ala Ser Val Met  
1 5 10 15

Gly Ala Ser Ala Ala Ala Pro Gln Ala Met Ala Ile Gly Asp Asp  
20 25 30

Ser Gly Pro Val Ser Ala Asn Gly Asn Gly Ala Ser Gln Tyr Phe Gly  
35 40 45

Asn Ser Met Thr Thr Gly Asn Met Ser Pro Gln Met Ala Leu Ile Gln  
50 55 60

Gly Ser Phe Asn Lys Pro Cys Ile Ala Val Ser Asp Ile Pro Val Ser  
65 70 75 80

Val Ile Gly Leu Val Pro Ile Gln Asp Leu Asn Val Leu Gly Asp Asp  
85 90 95

Met Asn Gln Gln Cys Ala Glu Asn Ser Thr Gln Ala Lys Arg Asp Gly  
100 105 110

Ala Leu Ala His Leu Leu Glu Asp Val Ser Ile Leu Ser Ser Asn Gly  
115 120 125

Glu Gly Gly Lys Gly  
130

```

<210> 3
<211> 396
<212> DNA
<213> Streptomyces coelicolor

<400> 3
gtgctcaaga aggcaatggc cgccgcggcg gctgccgctt ctgtgatcg catgtcggct 60
gccgcgcgtc cccaggccct ggccatcgaa gacgacaacg ggccggccgt ggccaacggc 120
aacggcgccg agtccggcggtt cggcaactcg gccaccaagg ggcacatgag ccccgagctg 180
tcgcgtgtcg agggcacgct gaacaaagccg tgcctcggtt tcgaggacgt caacgtcgcc 240
gtcatcaacc tcgtgcccgtt ccaggacatc aacgtcctgg cggacgacact gaaccagcag 300
tgcgccgaca actccacgca ggccaagcgg gacggcgccc tgtcgcacgt cctggaggac 360
ctgtcggtgc tgtcggcgaa cggcgaggc cgctga 396

<210> 4
<211> 402
<212> DNA
<213> Streptomyces coelicolor

<400> 4
gtgatcaaga aggttagttgc ctacgcggcg atcgccgcct ccgtcatggg tgctccgt 60
gccgcggccc cgcaggcgat ggcgatcggt gacgacagcg ggccgtctc cgccaacggg 120
aacggcgccgtc cgcagtactt cggcaactcg atgaccacgg gcaacatgag ccccgagatg 180
gcgcgtcatcc agggctcggtt caacaaagccg tgcacatcggtt tcagcgacat cccggtcagt 240
gtcatcggtc tggtgcccgtt ccaggacatc aacgtcctgg ggcacgacat gaaccagcag 300
tgcgccgaga actcgacgca ggccaagcgg gacggtgcgc tggcccacct cctggaggac 360
gtctcgatcc tgccatccaa cggcgaggc ggcaagggt ga 402

<210> 5
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> a sequence representing a conserved sequence found in hydropobins

<220>
<221> VARIANT
<222> (1)..(1)
<223> Xaa can be any amino acid

<220>
<221> VARIANT
<222> (3)..(3)
<223> Xaa can be any amino acid

<220>
<221> VARIANT
<222> (6)..(6)
<223> Xaa can be any amino acid

```

<220>  
<221> VARIANT  
<222> (8)..(8)  
<223> Xaa can be any amino acid

<220>  
<221> VARIANT  
<222> (10)..(10)  
<223> Xaa can be any amino acid

<220>  
<221> VARIANT  
<222> (13)..(13)  
<223> Xaa can be any amino acid

<220>  
<221> VARIANT  
<222> (15)..(15)  
<223> Xaa can be any amino acid

<400> 5

Xaa Cys Xaa Cys Cys Xaa Cys Xaa Cys Xaa Cys Cys Xaa Cys Xaa  
1 5 10 15